18. A computer system for interacting with a distributed ledger, the system comprising:

a network interface configured to interface with a processor;

a memory configured to store non-transitory computer executable instructions and configured to interface with the processor; and

the processor configured to interface with the memory, wherein the processor is configured to execute the non-transitory computer executable instructions to cause the processor to:

receive sensor data indicative of a vehicle accident;

determine, at the one or more processors, that the vehicle accident has occurred based on the received sensor data;

analyze, to assess potential damage, a plurality of vehicle components including an engine of a vehicle involved in the accident, and brakes, and a suspension system of the vehicle involved in the accident by:

determining a subrogation claim related to the vehicle accident including analyzing a damage level done to the engine of the vehicle;

generating a smart contract related to the subrogation claim; and

deploying the smart contract to the distributed ledger;

generate a damages dataset based upon the analysis;

generate a transaction including an identifier for a vehicle involved in the vehicle accident and the damages dataset; and

transmit the transaction including the identifier for a vehicle involved in the vehicle accident and the damages dataset to at least one other participant via the distributed ledger.

19. The computer system of claim **18**, wherein the sensor data is received from the vehicle involved in the vehicle accident.

20. The computer system of claim **18**, further including:

a camera mounted about the vehicle; and

a road side camera; and

wherein the received sensor data indicative of the vehicle accident includes data from both the camera mounted about the vehicle and the roadside camera.

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